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Form PTO 1449

U.S. Department of Commerce
Patent and Trademark Office

Information Disclosure Statement by Applicant

Atty. Docket Number
COVD-0013

Applicant
Rawson et al

Filing Date
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Atty. Docket Number
COVD-0013

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U.S. Patent Documents

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
PN	4,450,556	5/1984	Boleda et al	370	58	
	4,446,555	5/1984	Devault et al	370	94	
	4,607,139	8/1986	Froment	179	2 C	
	4,611,321	9/1986	Gabrielli et al	370	60	
	4,715,026	12/1987	Eberspaecher	370	1	
	4,748,637	5/1988	Bishop et al	375	7	
	4,796,256	1/1989	Opderbeck et al	370	110.1	
	4,799,217	1/1989	Fang	370	68.1	
	4,926,416	5/1990	Weik	370	60.1	

Other Documents (Including Author, Title, Date Pertinent Pages, Etc.)

Examiner Initial	Date	Title, Author, Date, Etc.
	12/1996	Entitled, "ASCEND ANNOUNCES MULTIDSL TM STRATEGY AND FIRST COMPLETE LINE OF DSL PRODUCTS", By Ascend, Inc., 1701 Harbor Bar Parkway, Alameda, CA 94502 (Pages 1 - 4)
	12/1996	Entitled, "REDEFINING INTERNET ACCESS: A WorldCom, Inc. White Paper", By UUNET, 3060 Williams Drive, Fairfax, VA 22031-4648, USA (Pages 1 - 7)
PN	10/1997	Entitled, "ASCEND INTRODUCES NEW CARRIER-CLASS xDSL CONCENTRATOR AND MULTI-PORT SDSL CUSTOMER PREMISE ROUTER", By Ascend, Inc., 1701 Harbor Bar Parkway, Alameda, CA 94502 (Pages 1 - 3)

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U.S. Patent Documents

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
PN	4,985,891	1/1991	Fujiwara et al	370	110.1	
	5,115,426	5/1992	Spanke	370	60	
	5,119,370	6/1992	Terry	370	60.1	
	5,144,619	9/1992	Munter	370	60.1	
	5,168,492	12/1992	Beshai et al	370	60.1	
	5,170,272	12/1992	Onno	359	118	
	5,173,901	12/1992	DeSomer	370	112	
	5,204,857	4/1993	Obara	370	60	
	5,237,569	8/1993	Sekihata	370	94.1	
	5,239,544	8/1993	Balzano et al	370	94.2	
	5,241,539	8/1993	Obermeier	370	79	
-po	5,287,348	2/1994	Schmidt et al	370	60.01	

Foreign Patent Documents

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Document Number	Date	Country	Class	Subclass	Yes	No	

Form PTO 1449 U.S. Department of Commerce Patent and Trademark Office	Atty. Docket Number COVD-0013	Serial Number UNASSIGNED
Information Disclosure Statement by Applicant	Applicant Rawson et al	
	Filing Date FILED HEREWITH	Group UNASSIGNED

U.S. Patent Documents

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
PN	5,293,570	3/1994	Schmidt et al	370	60.01	
	5,341,376	8/1994	Yamashita	370	99	
	5,343,467	8/1994	Wohr	370	59	
	5,359,600	10/1994	Ueda et al	370	60.1	
	5,363,370	11/1994	Abiven	370	84	
	5,365,521	11/1994	Ohnishi et al	370	60	
	5,375,118	12/1994	Roa et al	370	60.1	
	5,390,184	2/1995	Morris	370	94.2	
	5,420,858	5/1995	Marshall et al	370	60.1	
	5,428,609	6/1995	Eng et al	370	60.1	
M	5,436,890	7/1995	Read et al	370	58.2	

Foreign Patent Documents

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	Document Number	Date	Country	Class		Yes	No		

Other Documents (Including Author, Title, Date Pertinent Pages, Etc.)

Examiner Initial	Date	Title, Author, Date, Etc.

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		U.S.	Patent Documents					
Examiner Initial	Document Number	Date	Name	Class	Subclass		ng Date if propriate	
PN	5,450,411	9/1995	Heil	370	94.2	_		
1	5,457,684	10/1995	Bharucha et al	370	60.1			
	5,483,527	1/1996	Doshi et al	370	60.1			
	5,533,018	7/1996	DeJager et al	370	60.1			
	5,355,362	10/1994	Gorshe et al	370	16.1			
	5,535,198	7/1996	Baker et al	370	60			
	5,568,486	10/1996	Huscroft et al	370	94.2			
	5,570,355	10/1996	Dail et al	370	60.1			
PN	5,577,038	11/1996	Miyahara	370	60.1			
		Foreig	gn Patent Documents					
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	Document Number	Date	Country	Class	Subclass	Yes	No	
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			U.S.	Patent Documents				
Examiner Initial		Document Number	Date	Name	Class	Subclass		ng Date if propriate
PN		5,598,413	1/1997	Sansom et al	370	468		
		5,617,450	4/1997	Kakuishi et al	375	230		
		5,631,953	5/1997	Thomas et al	379	94		
		5,712,903	1/1998	Bartholomew et al	379	89		
		5,666,366	9/1997	Malek et al	370	505		
		5,682,385	10/1997	Garcia et al	370	458		
		5,715,309	2/1998	Bartkowiak	379	390		
		5,717,762	2/1998	Aihara et al	380	49		
gn/		5,719,870	2/1998	Baker et al	370	463		
			Foreig	gn Patent Documents				
		AN also	Dete	Country	Class	Subalasa	Trans	slation
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		Other Docume	nts (Including	g Author, Title, Date Pe	ertinent Pa	iges, Etc.)		
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			Filing Date UNASSIGNED		Group UNASSIGNED			
		U.S	. Patent Documents					
Examiner Initial	Document Number	Date	Name	Class	Subclass		g Date if propriate	
N	5,737,320	4/1998	Madonna	370	258			
	5,737,333	4/1998	Civanlar et al	370	352			
	5,757,803	5/1998	Russell et al	370	494			
	5,764,637	6/1998	Nishihara	370	397			
pu	5,771,236	6/1998	Sansom et al	370	458			
		Forei	gn Patent Documents					
	Document Number	Date	Country	Class	Subclass	Trans	Translation	
	Document Number	Date	Country	Ciass	Subclass	Yes	No	
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